

WHAT IS CLAIMED IS:

1. An electronic apparatus comprising:

a communication device that executes communication
with an external device;

5 an input device;

means for selecting one of a first communication
mode and a second communication mode in accordance with
an operation of the input device; and

means for, when the first communication mode is
10 selected, controlling one-way communication to transmit
content data from the communication device to the
external device with a first quality and for, when
the second communication mode is selected, controlling
two-way communication to transmit and receive content
15 data between the communication device and the external
device with a second quality which is lower than the
first quality.

2. The electronic apparatus according to claim 1,
further comprising:

20 a display device; and

means for displaying a first icon and a second
icon corresponding to the first communication mode
and the second communication mode, respectively, on
a display screen of the display device,

25 wherein the selecting means includes means for
selecting the first communication mode when the first
icon is selected by an operation of the input device,

and selecting the second communication mode when the second icon is selected by an operation of the input device.

3. The electronic apparatus according to claim 1,
5 wherein the controlling means includes means for controlling communication between the communication device and the external device such that content data compression-encoded by a first compression-encoding scheme is transmitted from the communication device to
10 the external device when the first communication mode is selected, and content data compression-encoded by a second compression-encoding scheme is transmitted and received between the communication device and the external device when the second communication mode is
15 selected.

4. The electronic apparatus according to claim 1,
wherein the controlling means includes means for controlling communication between the communication device and the external device such that content data
20 sampled with a first sampling frequency is transmitted from the communication device to the external device when the first communication mode is selected, and content data sampled with a second sampling frequency, which is lower than the first sampling frequency, is
25 transmitted and received between the communication device and the external device when the second communication mode is selected.

5. The electronic apparatus according to claim 1,
further comprising means for storing first parameter
information indicative of a kind of compression-
encoding to be used in the first communication mode
5 and a value of a sampling frequency used in the
compression-encoding, and second parameter information
indicative of a kind of compression-encoding to be
used in the second communication mode and a value of
a sampling frequency used in this compression-encoding,
10 wherein the controlling means includes means for
setting communication conditions for the one-way
communication in the communication device and the
external device in accordance with the first parameter
information when the first communication mode is
15 selected, and setting communication conditions for
the two-way communication in the communication device
and the external device in accordance with the second
parameter information when the second communication
mode is selected.

20 6. The electronic apparatus according to claim 1,
wherein the external device is a headset including
a speaker and a microphone,

the electronic apparatus further comprises means
for storing first parameter information indicative of
25 communication conditions for transmitting audio data
with the first quality and second parameter information
indicative of communication conditions for transmitting

audio data with the second quality, and

the controlling means includes means for setting communication conditions for the one-way communication in the communication device and the external device in accordance with the first parameter information when
5 the first communication mode is selected, and setting communication conditions for the two-way communication in the communication device and the external device in accordance with the second parameter information when
10 the second communication mode is selected.

7. A program for controlling communication with an external device, which is stored in a computer-readable medium and executed by a computer, comprising:

causing the computer to select one of a first
15 communication mode and a second communication mode in accordance with an operation of an input device of the computer; and

causing the computer to execute one-way communication to transmit content data from the
20 computer to the external device with a first quality when the first communication mode is selected; and

causing the computer to execute two-way communication to transmit and receive content data between the computer and the external device with a
25 second quality, which is lower than the first quality, when the second communication mode is selected.

8. The program according to claim 7, further

comprising:

causing the computer to display a first icon and
a second icon corresponding to the first communication
mode and the second communication mode, respectively,
5 on a display device of the computer,

wherein the selecting includes causing the
computer to select the first communication mode when
the first icon is selected by an operation of the input
device, and causing the computer to select the second
10 communication mode when the second icon is selected by
an operation of the input device.

9. The program according to claim 7, wherein the
executing of the one-way communication includes causing
the computer to transmit content data compression-
15 encoded by a first compression-encoding scheme to the
external device, and

the executing of the two-way communication
includes causing the computer to transmit and receive
content data compression-encoded by a second
20 compression-encoding scheme between the computer and
the external device.

10. The program according to claim 7, wherein the
executing of the one-way communication includes causing
the computer to transmit content data sampled with
25 a first sampling frequency to the external device, and

the executing of the two-way communication
includes causing the computer to transmit and receive

content data sampled with a second sampling frequency,
which is lower than the first sampling frequency,
between the computer and the external device.

5 11. The program according to claim 7, wherein the
executing of the one-way communication includes causing
the computer to execute the one-way communication in
accordance with first parameter information indicative
of a kind of compression-encoding to be used in the
first communication mode and a value of a sampling
10 frequency used in the compression-encoding, and

the executing of the two-way communication
includes causing the computer to execute the two-way
communication in accordance with second parameter
information indicative of a kind of compression-
15 encoding to be used in the second communication mode
and a value of a sampling frequency used in this
compression-encoding.

12. The program according to claim 7, wherein the
external device is a headset including a speaker and
20 a microphone,

the executing of the one-way communication
includes causing the computer to execute the one-way
communication in accordance with first parameter
information indicative of communication conditions for
25 transmitting audio data with the first quality, and

the executing of the two-way communication
includes causing the computer to execute the two-way

communication in accordance with second parameter information indicative of communication conditions for transmitting audio data with the second quality.